

Release notes for ENDF/B Development dec-090\_Th\_217  
evaluation

**ENDF**  
**B-VII**.dev

October 13, 2016

• fizcon Errors:

1. At least one gamma ray needed for given source mode  
*MAT=3445, MF= 8, MT=457 (1): Need gamma ray*

```
ERROR(S) FOUND IN MAT=3445, MF= 8, MT=457
  GAMMA RAY NEEDED, SOURCE MODE=    4
  GAMMA RAY NEEDED, SOURCE MODE=    4
```

2. Energies released in decay not adding up!  
*MAT=3445, MF= 8, MT=457 (2): Bad energy sum*

```
ERROR(S) FOUND IN MAT=3445, MF= 8, MT=457
  PARTICLE ENERGY (AE) SUMUP FAILURE
    WHOLE= 9.39363E+06  SUM= 9.22361E+06      SEQUENCE NUMBER    2
```

3. Energies released in decay not adding up!  
*MAT=3445, MF= 8, MT=457 (3): Bad energy sum*

```
ERROR(S) FOUND IN MAT=3445, MF= 8, MT=457
  ALPHA AVERAGE ENERGY SUMUP FAILURE
    WHOLE= 9.22361E+06  SUM= 9.39693E+06
```